

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-29 (Canceled).

Claim 30 (New): An elevator system having no machineroom comprising:

a cage guided by a pair of right and left cage-side guide rails to vertically move in an elevator shaft;

a cage frame for supporting the cage having an upper beam horizontally extending in a right and left direction between the pair of right and left cage-side guide rails above an upper surface of the cage;

a traction sheave disposed within a top of the elevator shaft and driven in rotation about a rotational axis extending in a forward and rearward direction, said traction sheave being disposed behind and near one of the pair of right and left cage-side guide rails and a rear side wall of the upper beam when viewed vertically from above;

a driving apparatus for driving the traction sheave in rotation, said driving apparatus being disposed behind and coaxially with the traction sheave;

a cage-side sheave supporting beam for supporting a pair of right and left cage-side sheaves at both ends thereof, respectively, said cage-side sheave supporting beam being inserted in a vertical gap between the upper beam and the upper surface of the cage in a horizontal manner, and connected to a center portion of the upper beam with a center portion thereof such that a side surface of one of the pair of right and left cage-side sheaves is disposed in a vicinity of a rear side wall of the upper beam and other of the pair of right and left cage-side sheaves is disposed in a vicinity of a front side wall of the upper beam, and the one of the pair of right and left cage-side sheave is disposed near the traction sheave when viewed vertically from above;

a counterweight guided by a pair of front and rear counterweight-side guide rails to vertically move in the elevator shaft below the driving apparatus; and

a hoist rope composed of a plurality of ropes wound around the traction sheave, having a first part suspending the cage through the pair of right and left cage-side sheaves, and having a second part suspending the counterweight.

Claim 31 (New): An elevator system having no machineroom according to claim 30, wherein said driving apparatus is disposed between the traction sheave and a rear inner wall of the elevator shaft.

Claim 32 (New): An elevator system having no machineroom according to claim 31, wherein said driving apparatus is configured as a cylinder such that a rear end thereof is disposed in a vicinity of the rear wall of the elevator shaft.

Claim 33 (New): An elevator system having no machineroom according to claim 32, wherein said cylinder has a diameter substantially equal to that of the traction sheave.

Claim 34 (New): An elevator system having no machineroom according to claim 30, wherein the hoist rope is composed of a plurality of ropes each having a diameter of from 4 to 6 mm.

Claim 35 (New): An elevator system having no machineroom according to claim 30, wherein the pair of right and left cage-side sheaves are disposed near the right and left sidewalls of the cage, respectively.

Claim 36 (New): An elevator system having no machineroom according to claim 30, wherein the pair of right and left cage-side sheaves are disposed within a vertical projection of the cage when viewed vertically from above.

Claim 37 (New): An elevator system having no machineroom according to claim 30, wherein the pair of right and left cage-side sheaves are disposed symmetrically with respect to the center of gravity of the cage when viewed vertically from above.

Claim 38 (New): An elevator system having no machineroom according to claim 30, wherein the driving apparatus is disposed such that at least a part thereof overlaps the cage when viewed vertically from above.

Claim 39 (New): An elevator system having no machineroom according to claim 30, wherein the traction sheave is disposed such that at least a part thereof overlaps the cage when viewed vertically from above.

Claim 40 (New): An elevator system having no machineroom according to claim 30, wherein the cage-side guide rails are extended to the top of the elevator shaft.

Claim 41 (New): An elevator system having no machineroom according to claim 30, wherein the traction sheave is disposed below the top of the one of the pair of right and left cage-side guide rails.

Claim 42 (New): An elevator system having no machineroom according to claim 30, wherein said driving apparatus is supported by the pair of front and rear counterweight-side guide rails.

Claim 43 (New): An elevator system having no machineroom according to claim 30, wherein a center portion of an upper surface of the cage-side sheave supporting beam is connected to a center portion of a lower surface of the upper frame.